FLYLINE

DESIGNERS: Danielle Siembieda, John Randolph, Victor Etienne, John Sarter, Eckhart Beatty, Raj Banjeer
TECHNOLOGIES AND SYSTEMS: solar photovoltaic, microgrid with mobile battery storage using electric vehicles, rainwater harvesting, composting toilets, digital media, sound art
INFRASTRUCTURAL CONTRIBUTION: shelter, showers, boardwalk, performance and art venues, 140 MWh of electricity per year

FOUNDED UPON GEOMANTIC PRINCIPLES, *Flyline* pays homage to the celestial and the living in a landscape of dark skies and boundless nature. The *Flyline* path traces a golden spiral 1,175 feet in length and 12 feet across that springs from Fly Geyser. *Flyline's* geometry takes inspiration from the shell of the freshwater snail Pyrgulopsis bruesi, a species of mollusk that lives near the geysers.[1] It is conceived as a journey infused with mindfulness and imagination, fostering radical self-expression. *Flyline* enables artists, ecologists, spiritualists, and visitors alike to find their own experiences and enact their own performances.

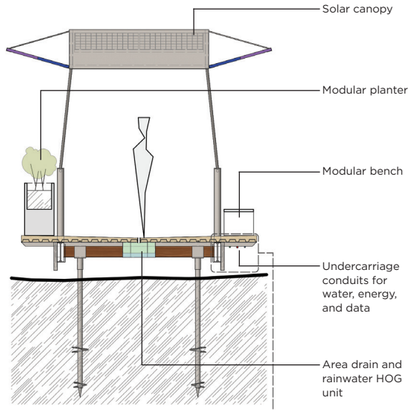
Throughout the *Flyline*, visitors will experience multimedia glyphs designed by Indigenous and visiting artists, conducive to a new form of storytelling in traditional and augmented realities. Visitors can stargaze above or shoegaze on the starpath below. A public art council of local residents, members of the Pyramid Lake Paiute tribe, contemporary Indigenous artists, and Burning Man staff will serve as a curatorial and advisory board overseeing artwork and visitor experience.

The arrival area includes such standard necessities as electric vehicle chargers powered by a cluster of five dual-axis, sun-tracking solar trees, and a microgrid housing that is camouflaged with ephemeral markings and glyphs. A water filtration system invites refreshment after a long drive.

Hovering over the boardwalk is a solar-harvesting pergola in 42 ten-foot segments. Programmable plinths invite a sunrise salutation at the geyser or a respite under a shaded tree at dusk.

Electric vehicles transport stored energy from renewable or grid sources to hubs with backup storage to keep basic systems up and running when vehicles are not present. Visitors' vehicles can contribute to the community energy storage system.

The water plinth has an astronomer-friendly sky deck, shelter, composting toilets, and showers. Modular furniture is built from upcycled materials. The learning lab contains equipment to allow for continuous monitoring, stewardship, and discovery of the Fly Ranch ecosystem.



Section through the *Flyline* modular boardwalk

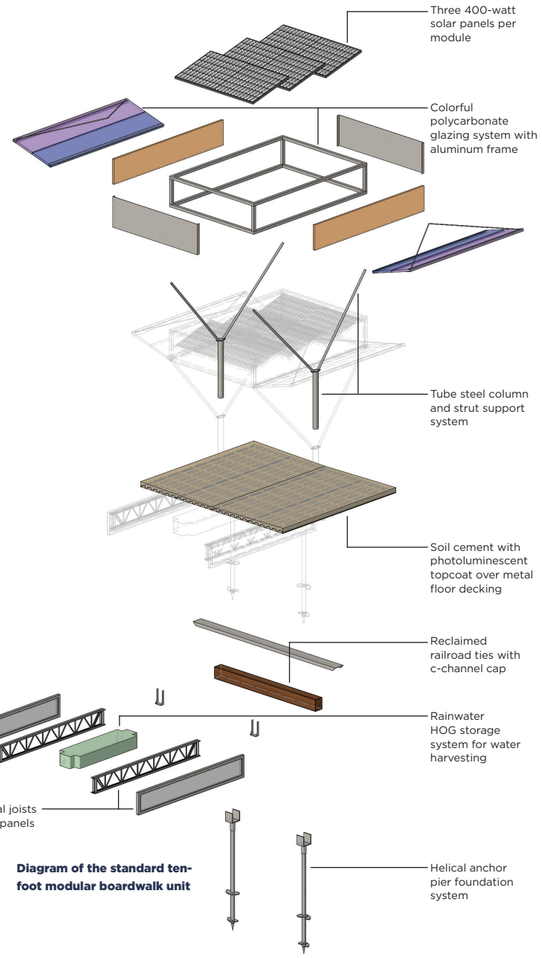
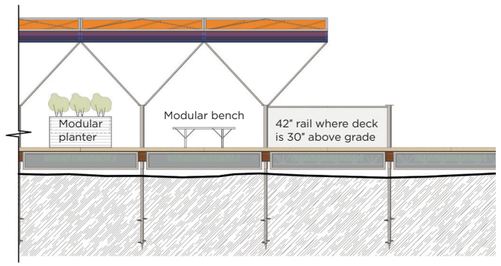
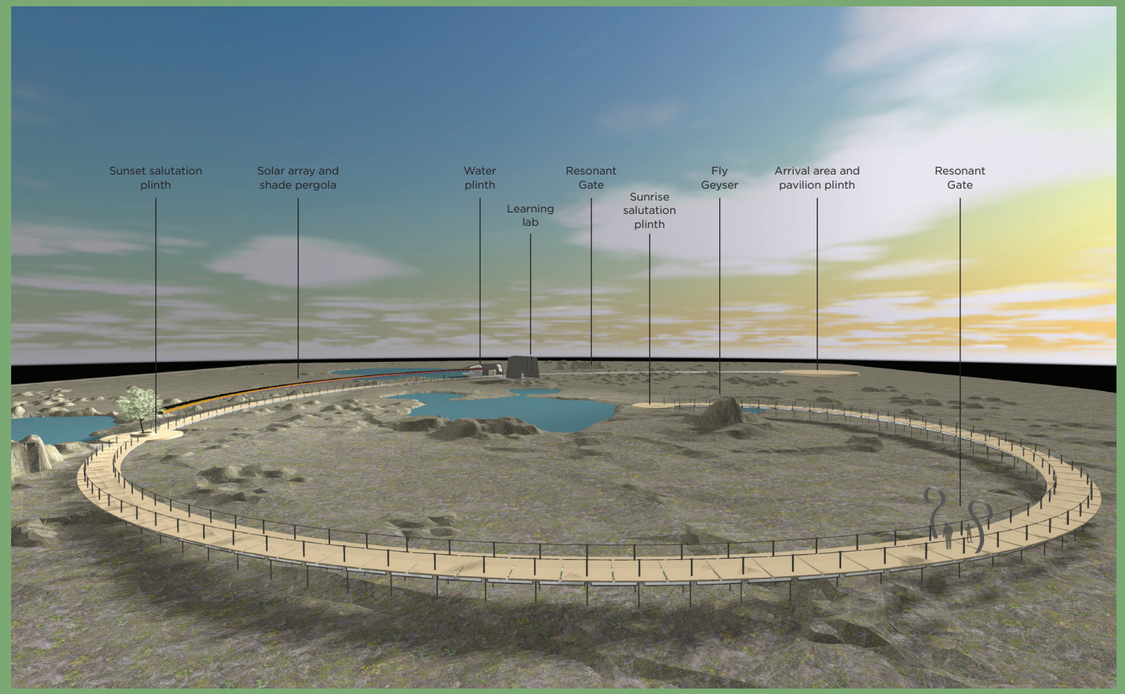

Three 400-watt solar panels per module
Colorful polycarbonate glazing system with aluminum frame
Tube steel column and strut support system
Soil cement with photoluminescent topcoat over metal floor decking
Reclaimed railroad ties with c-channel cap
Rainwater HOG storage system for water harvesting
Metal joists and panels
Helical anchor pier foundation system

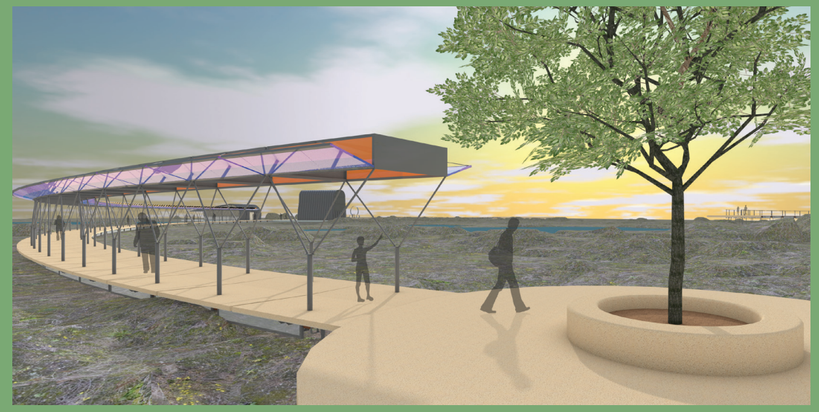
Diagram of the standard ten-foot modular boardwalk unit



Side elevation of boardwalk



View of the spiraling *Flyline* boardwalk and the southern resonant gate—a guided meditation and sound ritual along the journey path. The gate ignites sounds by artists and musicians who share stories, evoke memories, and honor the land.



The sun rises from beyond the plinth, resetting the visitor's journey and offering a new beginning.

The programmable plinths invite a sunrise salutation at the geyser or a respite under a shade tree at dusk.

[1] R. Hershler, D.W. Sada, "A New Species of Hydrobiid Samil of the genus Pyrgulopsis from Northwestern Nevada," *The Veliger* (2000), https://repository.si.edu/bitstream/handle/10088/11320/iz_HershlerSada2000.pdf.